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ABSTRACT

This publication provides information and activities for identifying objects using the five senses and process skills including observing, classifying, collecting and interpreting data, inferring, and predicting. Lessons 1 through 3 deal with the identification of an unknown substance and the physical properties of powders. Lessons 4 through 6 are activities on mixing substances with water, vinegar and iodine. A heat test in which powders are subjected to the flame of a candle is done in Lesson 7. Lesson 8 consists of the analysis of data collected in previous lessons in order to reveal the nature of the unknown. Lesson 9 is a crossword puzzle worksheet. Lessons 10 and 11 involve students in identifying two unknowns, one consisting of a two-powdered mixture and the other a three-powdered mixture. Lesson 12 pertains to identifying three unknown liquids when given the names of two powders. Also contained in the unit are: (1) a material map; (2) a list of materials; (3) information on the use of process skill terminology; (4) a list of objectives by lesson; (5) a vocabulary list with definitions; (6) teacher background information; (7) worksheets, three quizzes, and a unit test; and (8) an appendix detailing extension ideas for language arts. (RT)

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